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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,300	09/20/2005	Takashi Ishidoshiro	MESIP093	1897
22434	7590	12/11/2007	EXAMINER	
BEYER WEAVER LLP P.O. BOX 70250 OAKLAND, CA 94612-0250			KHAN, MEHMOOD B	
ART UNIT		PAPER NUMBER		
2617				
MAIL DATE		DELIVERY MODE		
12/11/2007		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/550,300	ISHIDOSHIRO, TAKASHI
Examiner	Art Unit	
	Mehmood B. Khan	2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 18 December 2006.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-6 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-6 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 12/18/2006 & 09/20/2005.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ .

5) Notice of Informal Patent Application

6) Other: ____ .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 3-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Wallstedt et al. (US 5,903,834 herein Wallstedt).

Claim 1, Wallstedt discloses an access point (see Fig. 2: 3a) comprising: an antenna unit that receives a radio frequency signal used for exchanging information via the wireless local area network (see Fig. 3: 6 and 7, where Wallstedt discloses antennae for sending and receiving); Wallstedt discloses a signal conversion unit that performs conversion between the radio frequency signal and a digital signal as the information (see, Col 5: 11-21, Fig. 3); Wallstedt discloses an information processing unit that executes processing of the digital signal based on a communication protocol for exchanging of the information (see Col 6: 21-25, 45-49, where Wallstedt discloses a hub with radio protocol); Wallstedt discloses an antenna case that contains the antenna unit and the signal conversion unit (see Fig. 3: box containing el. 8-15); Wallstedt discloses a main unit case that, separated from the antenna case, contains the information processing unit (see Fig. 2: 2, where Wallstedt discloses a hub); Wallstedt discloses a wired cable that, connecting the antenna case and the main unit case, performs transmission the digital signal between the signal conversion unit and the information processing unit (see Col 6: 5-7, Fig. 3: 4, where Wallstedt discloses a wire capable of sending data between the hub and RAD).

Claim 3, Wallstedt discloses wherein the transmission of the digital signal by the wired cable is either one of serial transmission (see Col 6: 4-5, where Wallstedt discloses serial transmission).

Claim 4, Wallstedt discloses wherein the wired cable, in addition to transmission of the digital signal, performs transmission of a control signal (see Col 6: 4-5, where Wallstedt discloses control and overhead information).

Claim 5, Wallstedt discloses wherein the wired cable is coaxial cable (see Col 6: 8-9, where Wallstedt discloses it is well known to use Coaxial cables).

Claim 6, as analyzed with respect to the limitations as discussed in claim 1.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wallstedt et al. (US 5,903,834 herein Wallstedt) in view of Ogawa (US 2003/0185287).

Claim 2, Wallstedt discloses wherein the signal conversion unit comprises: a frequency conversion unit that performs conversion between the radio frequency signal and an

intermediate frequency signal having lower frequency than the radio frequency signal (see Col 5: 11-15, where Wallstedt discloses conversion to IF from RF);

Wallstedt does not disclose a modem unit that performs modulation and/or demodulation between the intermediate frequency signal and a base band signal; and a base band unit that performs conversion between the base band signal and the digital signal.

Ogawa discloses a modem unit that performs modulation and/or demodulation between the intermediate frequency signal and a base band signal; and a base band unit that performs conversion between the base band signal and the digital signal (see Fig. 1 and 2: 14, where Ogawa discloses conversion of an IF signal to a baseband signal). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Wallstedt with the teachings of Ogawa so as to provide for high efficiency (see 0009).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mehmod B. Khan whose telephone number is 571-272-9277. The examiner can normally be reached on Monday - Friday 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MBK

Mehmood B. Khan
Examiner
Art Unit 2617



GEORGE ENG
SUPERVISORY PATENT EXAMINER